| IS | ssue | Clas | SITICE | ition |
|----|------|------|--------|-------|
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|    |      |      |        |       |

| Application No. | Applicant(s)    |  |
|-----------------|-----------------|--|
| 09/661,994      | BANDO, HIROYUKI |  |
| Examiner        | Art Unit        |  |
|                 |                 |  |
| Bob Chevalier   | 2616            |  |

|            |   | IS       | SHE C   | ASSIE | ICATI | ON          |  |                      |                          |  |  |  |
|------------|---|----------|---|-------|-------|-------------|--|----------------------|--------------------------|--|--|--|
|            | ORIGINAL  | <u> </u> | SUE CLASSIFICATION  CROSS REFERENCE(S)        |       |       |             |  |                      |                          |  |  |  |
| CLASS      | SUBCLASS  | CLASS    | ,   | 1     |       | ONE SUBCLAS |  | 9                    |                          |  |  |  |
| 386        | 66  | 386      | 117-  | 46    |       |             |  |                      |                          |  |  |  |
|            | NAL CLASSIFICATION  |          |   |       |       |             |  |                      |                          |  |  |  |
| HO 41      | 115 191   |          |   |       |       |             |  |                      |                          |  |  |  |
| HO 4 1     | 51225   |          |   | -     |       |             |  |                      |                          |  |  |  |
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| (Assis     | stant Examiner) (Date   | e)       | Robert Chevalier To PRIMARY EXAMINER          |       |       |             |  | otal Claims Allowed: |                          |  |  |  |
| (Legal Ins | struments Examiner) (   | (Date)   | O.G. Print Claim(s) (Primary Examiner) (Date) |       |       |             |  |                      | O.G.<br>Print Fig.<br>ろう |  |  |  |
| Claims     | ☐ Claims renumbered in the same order as presented by applicant ☐ CPA ☐ T.D. ☐ R.1.47 |          |   |       |       |             |  |                      |                          |  |  |  |

| Claims renumbered in the same order as presented by applicant |          |   |       |          |  |       |          | ПС    | CPA □ T.D. |  |       | ☐ R.1.47 |     |       |          |   |       |          |
|---|----------|---|-------|----------|--|-------|----------|-------|------------|--|-------|----------|-----|-------|----------|---|-------|----------|
| Final   | Original |   | Final | Original |  | Final | Original | Final | Original   |  | Final | Original | , , | Final | Original |   | Final | Original |
|   | 1        |   |       | 31       |  |       | 61       |       | 91         |  |       | 121      |     |       | 151      |   |       | 181      |
| 7   | 2        |   |       | 32       |  |       | 62       |       | 92         |  |       | 122      | :   |       | 152      |   |       | 182      |
| <u></u>   | 3        |   |       | 33       |  |       | 63       |       | 93         |  |       | 123      |     |       | 153      |   |       | 183      |
| 4   | 4        |   |       | 34       |  |       | 64       |       | 94         |  |       | 124      |     |       | 154      |   |       | 184      |
| 5   | 5        |   |       | 35       |  |       | 65       |       | 95         |  |       | 125      |     |       | 155      |   |       | 185      |
|   | 6        |   |       | 36       |  |       | 66       |       | 96         |  |       | 126      |     |       | 156      |   |       | 186      |
|   |          |   |       | 37       |  |       | 67       |       | 97         |  |       | 127      |     |       | 157      |   |       | 187      |
| 6   | 8        |   |       | 38       |  |       | 68       |       | 98         |  |       | 128      |     |       | 158      |   |       | 188      |
|   | 9        |   |       | 39       |  |       | 69       |       | 99         |  |       | 129      |     |       | 159      |   |       | 189      |
|   | 10       |   |       | 40       |  |       | 70       |       | 100        |  |       | 130      |     |       | 160      |   |       | 190      |
| 7   | 11       |   |       | 41       |  |       | 71       |       | 101        |  |       | 131      |     |       | 161      |   |       | 191      |
| 8   | _12      |   |       | 42       |  |       | .72      |       | 102        |  |       | 132      |     |       | 162      | · |       | 192      |
| 9   | 13       |   |       | 43       |  |       | 73       |       | 103        |  |       | 133      |     |       | 163      |   |       | 193      |
| 70  | 14       |   |       | 44       |  |       | 74       |       | 104        |  |       | 134      |     |       | 164      |   |       | 194      |
| U   | 15       |   |       | 45       |  |       | 75       |       | 105        |  |       | 135      |     |       | 165      |   |       | 195      |
|   | 16       |   |       | 46       |  |       | 76       |       | 106        |  |       | 136      |     |       | 166      |   |       | 196      |
|   | 17_      | _ |       | 47       |  |       | 77       |       | 107        |  |       | 137      |     |       | 167      |   |       | 197      |
|   | 18       |   |       | 48       |  |       | 78       |       | 108        |  |       | 138      |     |       | 168      |   |       | 198      |
|   | 19       |   |       | 49       |  |       | 79       |       | 109        |  |       | 139      |     |       | 169      |   |       | 199      |
|   | 20       |   |       | 50       |  |       | 80       |       | 110        |  |       | 140      |     |       | 170      |   |       | 200      |
|   | - 21-    |   |       | -51-     |  |       | 81       | <br>  | 111        |  |       | 141      |     | -     | 171      |   |       | 201      |
|   | 22       |   |       | 52       |  |       | 82       |       | 112        |  |       | 142      |     |       | 172      |   |       | 202      |
|   | 23       |   |       | 53       |  |       | 83       |       | 113        |  |       | 143      |     |       | 173      |   |       | 203      |
|   | 24       |   |       | 54       |  |       | 84_      |       | 114        |  |       | 144      |     |       | 174      |   |       | 204      |
| <b></b>   | 25       |   |       | 55       |  |       | 85       |       | 115        |  |       | 145      |     |       | 175      |   |       | 205      |
|   | 26       |   |       | 56       |  |       | 86       |       | 116        |  |       | 146      |     |       | 176      |   |       | 206      |
|   | 27       |   |       | 57       |  |       | 87       |       | 117        |  |       | 147      |     |       | 177      |   |       | 207      |
|   | 28       |   |       | 58       |  |       | 88       |       | 118        |  |       | 148      |     |       | 178      | ( |       | 208      |
|   | 29       |   |       | 59       |  |       | 89       |       | 119        |  |       | 149      |     |       | 179      |   |       | 209      |
| L   | 30       |   |       | 60       |  |       | 90       |       | 120        |  |       | 150      |     |       | 180      |   |       | 210      |

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|                |                      | 1                   | SCANNED V        | O.I.P.E.   | S4 PATENT D    | ATE       |                   |
| •              | APPLICATION NO.      | CONT/PRIOR          | CLASS Z          | SUBCLASS   | ART UNIT 113 E | CAMINER   |                   |
|                | 09/661994            | F                   | 340              | رے ہے      | 2632           | Cite.     | .                 |
|                | Hiroyuki<br>Hiroyuki | Bando               |                  |            | - ( 5/10       |           | <u> </u>          |
| ,              | APPI                 |                     |                  |            |                | 4 6       |                   |
|                | Informati<br>E       | on proces           | ssing app        | aratus and | d method, and  | j program |                   |
| `_             | F                    |                     |                  |            |                |           | PTO-2040<br>12/99 |
|                |                      |                     |                  |            |                |           |                   |

| ISSUING CLASSIFICATION |                  |       |     |           |           |              |                |      |  |  |
|------------------------|------------------|-------|-----|-----------|-----------|--------------|----------------|------|--|--|
| ORIGINA                | AL               |       | ·   | CROSS P   | EFERENC   | E(S) .       |                |      |  |  |
| CLASS                  | SUBCLASS         | CLASS | SU  | BCLASS (O | NE SUBCL  | ASS PER I    | BLOCK)         |      |  |  |
| 386                    | 66               | 386   | 117 | 46        |           |              |                |      |  |  |
|                        | L CLASSIFICATION | N     |     |           |           | <u> </u>     |                |      |  |  |
| HOLAN                  | 5/91             |       |     |           | <u> </u>  |              |                |      |  |  |
| A041                   | 5/225            | ,     |     |           |           | , ,          |                |      |  |  |
|                        |                  |       |     |           | <u> </u>  | <u> </u>     |                |      |  |  |
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|                        |                  |       |     | L         | Continued | on Issue Sit | Inside File Ja | cket |  |  |

| TERMINAL  |                | DRAWINGS        |                               | · CLAIMS ALLOWED |                      |  |  |  |  |
|---|----------------|-----------------|-------------------------------|------------------|----------------------|--|--|--|--|
| DISCLAIMER  | Sheets Drwg.   | Figs. Drwg.     | Print Flg.                    | Total Claims     | Print Claim for O.G. |  |  |  |  |
|   | 28             | 36              | 30                            | 11               | /                    |  |  |  |  |
| The term of this patent   |                |                 |                               | NOTICE OF ALL    | LOWANCE MAILED       |  |  |  |  |
| subsequent to (date) has been disclaimed.   | (Assistant     | Exeminar)       | (Date)                        |                  |                      |  |  |  |  |
| The term of this patent shall not extend beyond the expiration date of U.S Patent. No.  | į.             | Robert C        | hiralier                      | ISSUE FEE        |                      |  |  |  |  |
|   | i 'i           | OBERT CH        | EVALIER<br>KANINER<br>17/3/04 | Amount Due       | Date Paid            |  |  |  |  |
|   | (Primary       | Exeminar)       | 7 (Dayr)                      |                  | <u> </u>             |  |  |  |  |
| The terminalmonths of this patent have been disclaimed.   | (Legal Instrum | ents Experimen) | (Date)                        | ISSUE BA         | TCH NUMBER           |  |  |  |  |
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